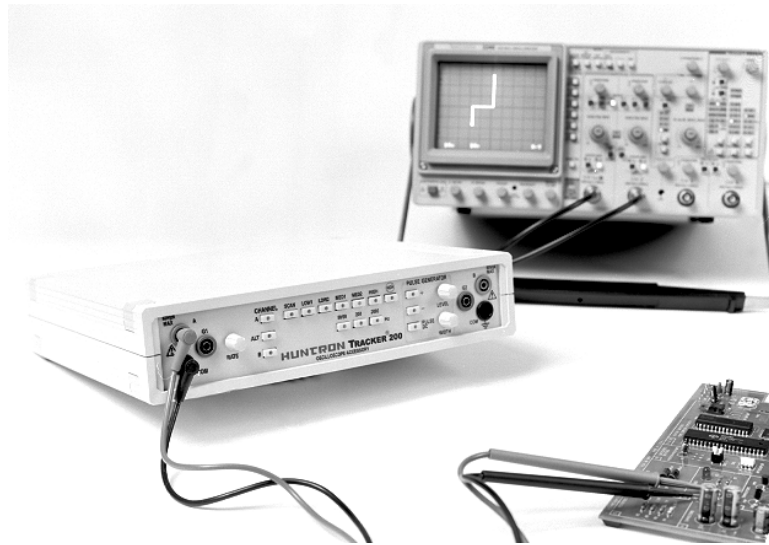


TRACKER 200

Test components with the power off



Troubleshooting with a Huntron Tracker 200 allows you to test circuitry that cannot be energized due to catastrophic failure. Viewing the component signatures on the display of your oscilloscope using the X-Y inputs, you can test without the risk of accidentally causing a short that could cause further damage. The Tracker 200 allows you to perform preventative maintenance by finding component flaws that could lead to premature failures. And when documentation is incomplete, you can test circuits, boards and components by comparing them to known good equivalents. The functionality of powered devices such as SCRs, TRIACs, optocouplers and relays can be tested using the built-in pulse generator.

Analog Signature Analysis

The Tracker 200 works by applying a current-limited AC signal across two points of a component. The current flow causes a vertical deflection on the oscilloscope display, while the voltage causes a horizontal deflection. Together, they give you a unique current-voltage “analog signature” that represents the overall health of the device you’re testing. Analyzing each signature, you can quickly tell if a component is good, bad or marginal. The Tracker 200 has two channels allowing for direct side-by-side comparison of a good board versus a bad board. Differences in compared signatures indicate possible problems at that test point.

Ordering Information

The Huntron Tracker 200 comes complete with Huntron MP20 Microprobes (one pair), common test leads, two mini-clip leads, power cord and instruction manual.

- Uses the X-Y inputs on most oscilloscopes
- Troubleshoot catastrophic failures
- Use the built-in Pulse Generator for gate-fired devices
- Display the condition of dynamic semiconductors without applying system power to them

Ranges

Ranges	V_s (V _{pk})	Z_s (kΩ)	I_{sc} (mArms)	P_{max} (mW)	P_{diode} (mW)
High	60	74	0.6	6	0.2
Medium 2	20	27	0.6	2	0.2
Medium 1	15	1.2	8.5	23	2
Low 2	10	54Ω	132	232	33
Low 1	3	10	0.21	0.1	0.05

Specifications

Input Selection	A, B, Alternate (variable rate)
Test Frequencies	50/60Hz, 200Hz, 2000Hz
Functions	
Range Selection	Manual or AutoScan High Range Lockout
Alternation Rate	Adjustable (0.5 to 10Hz)
Pulse Generator	
Level	0V to 5V
DC Mode	+DC or -DC
Pulse Mode	+Pulse, -Pulse, or both; adjustable duty cycle
Line Voltage	100VAC, 115VAC or 230VAC
Line Frequency	47 to 400Hz
Power	15 Watts maximum
Dimensions	10.2 in L x 11.45 in W x 2.45 in H (25.9 cm L x 29 cm W x 6.2 cm H)
Weight	4.6lb. (2.1 kg)
Operating Temp	+32°F to +122°F (0°C to +50°C)
Storage Temp	-58°F to +140°F (-50°C to +60°C)
Warranty	1 year, limited